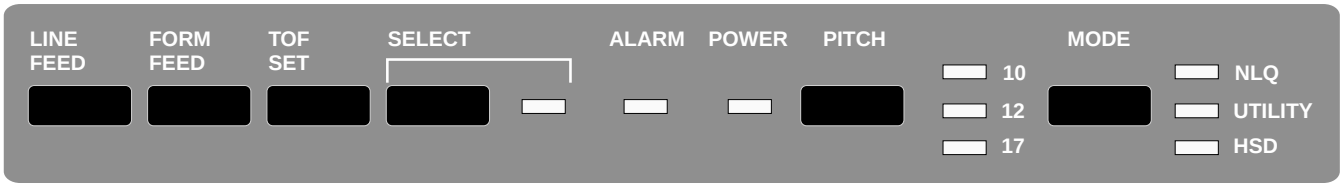
OSE

OKIDATA ML-182 Turbo



Print method . . . . . 9-wire dot matrix, 80 column
Print speed . . . . . Utility 155 cps, Draft 186 cps @ 10 and 17.1 cpi, 232 cps @ 12 cpi, NLQ 40 cps
Emulations . . . . . Standard Microline (The printer driver may be ML 182T, ML 182+ or any ML Driver). ***Note: an IBM emulation is available through an internal firmware change.***
Forms handling. . . . . Rear tractor, back tractor, and sheet feed
Interface. . . . . Serial (93F5797), parallel (31F0809)
Print head . . . . . 200 million characters
Ribbon life . . . . . 3 million characters

Front Panel Keys/Lights



SELECT key - Press this key to place the printer online or offline to communicate with the host.

LINE FEED key - Press this key to advance the paper one line.

FORM FEED key - Press this key to advance the paper one page.

TOF SET key - With the **SELECT** light off, pressing this button sets top of form at the line where the print head meets the paper.

PITCH key - Changes characters per inch to 10, 12, or 17 indicated by the lights beside the key.

MODE key - Changes print style to NLQ, Utility, or HSD indicated by the lights beside the key.

Self-test

Press the **LINE FEED** key while turning on the printer. The first line of print defines the printer. Then a sample of each cpi is printed. Press **SELECT** to stop the test.

Determining Emulation

The emulation resident in the printer may be determined by sending this BASIC program to the printer.

10 LPRINT CHR$(15)

20 LPRINT "This is a test."

RUN

If the printout is condensed print, the printer is IBM compatible. If not condensed, the printer is ML (Microline) compatible.

Loading Paper Head Gap Lever

Adjust the gap lever, located on the left side of the carriage, to accomodate the thickness of paper being loaded. Position 1 is for single sheet; position 3 is for 3-part or extra-thick paper.

Bottom Feed

Pull the bail arm lever, located on the left top edge of the printer, forward. Pull the paper path lever, located on the right top edge of the printer, forward. With the access cover open, slide the paper through the base opening. Guide the first sheet to the tractors. Open the tractor tabs and adjust the pins left or right to accommodate the size of the paper. Slowly turn the platen knob to engage the pins in the sprocket holes. Close the bail arm and replace the access cover.

Rear Feed

Pull the bail arm and paper path levers forward. Guide the paper through the rear paper separator to the platen. Open the tractor tabs and adjust the pins left or right to accomodate the paper size. Slowly turn the platen knob to engage the pins to the sprocket holes. Close the bail arm and replace the access cover.

Single Sheet

Raise the paper separator to the upright position. Push the paper path lever back. Separate the sprocket pins to the extreme left and right position. Open the bail lever. Guide a sheet of paper through the paper separator to the back of the platen. Slowly turn the platen knob to advance the paper to the print position. Close the bail lever.

Common Problems

Paper Jams: Are the tractors adjusted properly? Is the paper path free of obstructions? Is the print head gap lever properly positioned? Is the paper path lever in the right position?

Light Print: Is the print head gap lever properly positioned? Is the ribbon worn or loaded improperly?

Won't Communicate: Is the interface cable in place? Is the printer selected (online)?

Field Replaceable Units

Description	OEM P/N	IBM P/N
Platen knob	53459807	86F4578
Print head	55017301	86F4577
Paper separator	53459303	
Access cover	53467410	

Note: Be sure to note DIP switch settings and/or print a configuration list before swapping the printer.

OKIDATA ML-182 Turbo OSE

Dip Switches

The DIP switches are located under a cover in the center of the top rear of the printer. The cover is held in place by one screw.

MICROLINE

Sw 1-2-3	**International Characters:**			
	Language	**Sw 1**	**Sw 2**	**Sw 3**
	Slashed 0	OFF	OFF	OFF
	Unslashed 0	ON	OFF	OFF
	British	OFF	ON	OFF
	German	ON	ON	OFF
	French	OFF	OFF	ON
	Unslashed 0	ON	OFF	ON
	French Canadian	OFF	ON	ON
	Spanish	ON	ON	ON
Sw 4-5	**Form Length:**	**Sw 4**	**Sw 5**	
	5.5 inches	OFF	OFF	
	8.5 inches	OFF	ON	
	11 inches	ON	OFF	
	14 inches	ON	ON	
Sw 6	**Auto Line Feed:**			
	ON: Auto line feed on **OFF:** Auto line feed off			
Sw 7	**Data Bits:**			
	ON: 8 bits **OFF:** 7 bits			
Sw 8	**Front Panel:**			
	ON: Disable **OFF:** Enable			

IBM Graphics Printer

Sw 1-2	**International Characters:**		
	Language	**Sw 1**	**Sw 2**
	Slashed 0	OFF	OFF
	Unslashed 0	OFF	ON
	French Canadian	ON	OFF
	Spanish	ON	OFF
Sw 3	**Auto Line Feed:**		
	ON: Auto line feed on **OFF:** Auto line feed off		
Sw 4-5	**Form Length:**	**Sw 4**	**Sw 5**
	5.5 inches	OFF	OFF
	8.5 inches	OFF	ON
	11 inches	ON	OFF
	14 inches	ON	ON
Sw 6	**Skip Over Perforation:**		
	ON: Skip over perf on **OFF:** Skip over perf off		
Sw 7	**IBM Character Set:**		
	ON: Character set II **OFF:** Character set I		
Sw 8	**Front Panel:**		
	ON: Disable **OFF:** Enable		

RS-232C Serial Dip Switch Settings

Switch Bank 1

Sw 1	**Parity:**		
	ON: Odd **OFF:** Even		
Sw 2	**Parity:**		
	ON: Without **OFF:** With		
Sw 3	**Data Bits:**		
	ON: 8 **OFF:** 7		
Sw 4	**Protocol:**		
	ON: Ready/Busy **OFF:** X-ON/X-OFF		
Sw 5	**Test Select:**		
	ON: Circuit **OFF:** Monitor		
Sw 6	**Mode Select:**		
	ON: Print **OFF:** Testing		
Sw 7-8	**Busy Line Selection:**	**Sw 1-7**	**Sw 1-8**
	DTR– Pin 20	ON	ON
	RTS– Pin 4	ON	OFF
	SSD– Pin 11	OFF	ON
	SSD+ Pin 11	OFF	OFF

Switch Bank 2

Sw 1-2-3	**Baud Rate:**	**Sw 1**	**Sw 2**	**Sw 3**
	19200	ON	ON	ON
	9600	OFF	ON	ON
	4800	ON	OFF	ON
	2400	OFF	OFF	ON
	1200	ON	ON	OFF
	600	OFF	ON	OFF
	300	ON	OFF	OFF
	100	OFF	OFF	OFF
Sw 4	**DSR Input Signal:**			
	ON: Active **OFF:** Inactive			
Sw 5	**Buffer Threshold:**			
	ON: 32 bytes **OFF:** 256 bytes			
Sw 6	**Busy Signal Timing:**			
	ON: 200 ms (min.) **OFF:** 1 second (min.)			
Sw 7	**DTR Signal:**			
	ON: Space after power on **OFF:** Space when printer selected			
Sw 8	Not used			

Printer	**IBM P/N**	**IBM machine type**
Serial, ML	93F5797	1515-K87
Parallel, ML	31F0809	1515-K82

Tech Support 800-887-7764

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